

<b>APPLICATION ELEMENTS</b> See MPEP chapter 600 concerning utility patent application contents.	<b>ADDRESS TO:</b> Assistant Commissioner for Patents Box Patent Application Washington, DC 20231
1. <input checked="" type="checkbox"/> Fee Transmittal Form <i>Submit an original, and a duplicate for fee processing)</i>	7. <input checked="" type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
2. <input type="checkbox"/> Applicant claims Small Entity status, see 37 C.F.R. § 1.27	8. <input checked="" type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
3. <input checked="" type="checkbox"/> Specification [Total Pages 143] <i>(preferred arrangement set forth below)</i> -Descriptive title of the Invention -Cross Reference to Related Applications -Statement Regarding Fed sponsored R&D -Reference to Microfiche Appendix -Background of the Invention -Brief Summary of the Invention -Brief Description of the Drawings (if filed) -Detailed Description of the Invention (including drawings, if filed) -Claim(s) -Abstract of the Disclosure	a. <input checked="" type="checkbox"/> Computer Readable Copy b. <input checked="" type="checkbox"/> Paper Copy (identical to computer copy) c. <input checked="" type="checkbox"/> Statement verifying identity of above copies
4. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets 36]	
5. <input checked="" type="checkbox"/> Oath or Declaration [Total Sheets 2] <input checked="" type="checkbox"/> Unexecuted (original or copy) <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 19 completed)	
i. <input type="checkbox"/> <u>DELETION OF INVENTORS(S)</u>  Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33 (b).	
6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76	

18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:  
☐ Continuation    ☐ Divisional    ☐ Continuation-in-part (CIP)    of prior application No: filed .

19. CORRESPONDENCE ADDRESS

Customer Number: 	20583 (Insert Customer No. or Attach bar code label here)	or [ ] Correspondence address below
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NAME			
ADDRESS			
CITY	STATE	ZIP CODE	
COUNTRY	TELEPHONE	FAX	

**PENNIE & EDMONDS LLP**  
 COUNSELLORS AT LAW  
 1155 Avenue of Americas  
 New York, N.Y. 10036-2711

ATTORNEY DOCKET NO. 10271-037-999Date: December 10, 2001

Assistant Commissioner for Patents  
 Box PATENT APPLICATION  
 Washington, D.C. 20231

Sir:

The following utility patent application is enclosed for filing:

Applicant(s): Solomon R. Langermann; Scott J. Hultgren; Chia-Suei Hung; and Julie Bouckaert Executed on: Unexecuted

Title of Invention: Mutant Proteins, High Potency Antibodies, and FimCH Crystal Structure

**PATENT APPLICATION FEE VALUE**

TYPE	NO. FILED	LESS	EXTRA	EXTRA RATE	FEE
Total Claims	32	-20	12	\$18.00 each	\$ 216.00
Independent	7	-3	4	\$84.00 each	\$ 336.00
Minimum Fee					\$ 740.00
Multiple Dependency Fee If Applicable (\$280.00)					\$ 270.00
<b>Total</b>					\$ 1,562.00
Applicant qualifies for the 50% Reduction for Independent Inventor, Nonprofit Organization or Small Business Concern					- \$ 0.00
<b>Total Filing Fee</b>					\$ 1,562.00

- ☐ **DO NOT PUBLISH.** I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).
- ☒ Priority of application nos. 60/254,353 filed on December 8, 2000 and 60/301,878 filed on June 29, 2001 is claimed under 35 U.S.C. § 119.
- ☐ The certified copy of the priority application has been filed in application no. file 1
- ☐ Amend the specification by inserting before the first line the following sentence: This is a continuation-in-part of application no. filed .

Please charge the required fee to Pennie & Edmonds LLP Deposit Account No. 16-1150. A copy of this sheet is enclosed.

Respectfully submitted,

Anthony M. Insogna 35,203  
 Anthony M. Insogna (Reg. No.)  
 PENNIE & EDMONDS LLP

Enclosure

This form is not for use with continuation, divisional, re-issue, design or plant patent applications.

Reg No.  
 40,922

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Langermann *et al.*

Application No.: To be Assigned

Art Unit: Not Yet Assigned

Filed: On Even Date Herewith

Examiner: Not Yet Assigned

For: Mutant Proteins, High Potency Inhibitory  
Antibodies, and FimCH Crystal Structure

Atty Docket No.: 10 271-037

TRANSMITTAL OF SEQUENCE LISTING

Assistant Commissioner for Patents  
Washington, DC 20231

SIR :

In connection with the above-identified application, and in accordance with 37 C.F.R. § 1.821, Applicant submits herewith a Sequence Listing in paper and computer-readable format pursuant to 37 C.F.R. § 1.821(c) and (e).

I hereby state that the content of the paper and computer-readable copies of the Sequence Listing, submitted in accordance with 37 C.F.R. § 1.821(c) and (e), respectively, are the same. I hereby state that the submission herein under 37 C.F.R. § 1.821(g) does not include new matter.

Respectfully submitted,

Date December 10, 2001

Anthony M. Insogna<sup>35,203</sup>  
Anthony M. Insogna (Reg. No.)

By Margaret B. Rivaula  
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Pg No. 40,922

Enclosures

Express Mail No. FL 477 032 527 US

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of: Langermann *et al.*

Application No.: To be Assigned

Art Unit: Not Yet Assigned

Filed: On Even Date Herewith

Examiner: Not Yet Assigned

For: Mutant Proteins, High Potency Inhibitory  
Antibodies, and FimCH Crystal Structure

Atty Docket No.: 10271-037

**TRANSMITTAL OF TABLES ON CD-ROM**

Assistant Commissioner for Patents  
Washington, DC 20231

S I R :

In connection with the above-identified application, and in accordance with 37 C.F.R. § 1.58, Applicant submits herewith two tables in computer-readable format pursuant to 37 C.F.R. § 1.52(e) and §1.58.

I hereby state that the content of 'Copy 1' and 'Copy 2' of the CD-ROM in computer-readable format, submitted in accordance with 37 C.F.R. § 1.52(e) and §1.58, are the same.

Respectfully submitted,

Date December 10, 2001

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Enclosures